



Your Discoveries  
Begin with US.™

Search:

Cart

[Home](#) | [Ordering Info](#) | [Technical Help](#) | [About ATCC](#) | [Contact Us](#)

## Search

Before submitting an order you will be asked to read and accept the terms and conditions of ATCC's [Material Transfer Agreement](#).

Customers in Europe, Australia, Japan, Korea, New Zealand and Taiwan must contact a [local distributor](#) for pricing information and to place an order for ATCC cultures and products.

### Cell Lines

**ATCC Number:** CRL-1632

[Order this item](#)

**Price:** \$215.00

**Designation:** tk- ts13

**Depositors:** R. Baserga

**Biosafety Level:** 1

**Shipped:** frozen

**Medium & Serum:** [See Propagation](#)

**Growth Properties:** adherent

**Organism:** *Mesocricetus auratus* (hamster, Syrian golden)

**Tissue:** kidney

**Permits/Forms:** In addition to the [MTA](#) mentioned above, other ATCC and/or regulatory permits may be required for the transfer of this ATCC material. Anyone purchasing ATCC material is ultimately responsible for obtaining the permits. Please [click here](#) for information regarding the specific requirements for shipment to your location.

#### Related Cell Culture Products

#### Comments:

The tk-ts13 cell line is a derivative of BHK-21. The cells are temperature sensitive for growth, and are thymidine kinase deficient (TK-). The line is an efficient host for transfection studies. The cells should be grown at 34C.

#### Applications:

transfection host  
Can be transfected at a high rate of efficiency.

#### Propagation:



ATCC medium:  
Dulbecco's modified Eagle's medium with 4 mM L-glutamine adjusted to contain 1.5 g/L sodium bicarbonate

	and 4.5 g/L glucose, 90%; fetal bovine serum, 10% Temperature: 34.0 C
<b>Subculturing:</b>	Remove medium, rinse with fresh 0.25% trypsin, 0.02% versene solution, remove trypsin and let the culture sit at room temperature (or at 37C) until the cells detach (about 10 minutes). Add fresh medium, aspirate and dispense into new flasks Inoculate new cultures at 2 X 10 exp4 cells/sq cm.
<b>References:</b>	<u>26118</u> : Talavera A , et al. Temperature sensitive mutants of BHK cells affected in cell cycle progression. J. Cell. Physiol. 92: 425-436, 1977. PubMed: <u>903382</u> <u>32471</u> : Black ME , et al. Creation of drug-specific herpes simplex virus type 1 thymidine kinase mutants for gene therapy. Proc. Natl. Acad. Sci. USA 93: 3525-3529, 1996. PubMed: <u>8622970</u> <u>41386</u> : Shen YM , et al. Superimposition of temperature regulation on yeast promoters. Mol. Cell. Biol. 2: 1145-1154; 1982. PubMed: <u>6294505</u>

#### Notices and Disclaimers

ATCC products are intended for laboratory research purposes only. They are not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this site, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

All prices are listed in U.S. dollars and are subject to change without notice. A discount off the current list price will be applied to most cultures for nonprofit institutions in the United States and Canada. Cultures that are ordered as test tubes or flasks will carry an additional laboratory fee. Fees for permits, shipping, and handling may apply.

You may continue your word search in Cell Lines by typing in your search criteria below or returning to the [Cell Lines menu](#). To search another product line, choose one from the dropdown box at the top. For complex searches using boolean operators, the following characters must be used: & (for AND), | (for OR), ^ (for AND NOT). An asterisk (\*) is used as the wildcard. For more information please review the [Search Help](#).

bhk	Word Search	Clear Search
-----	-------------	--------------

For query options, please read the [search help](#).